

Applicant: COSGROVE, DANIEL et al. Attorney Docket No. P04666US7 Title: PURIFIED PLANT EXPANSION PROTEINS AND DNA ENCODING SAME Ser. No. 09/896,301 Sheet 1 of 23

Conf. No. 3341

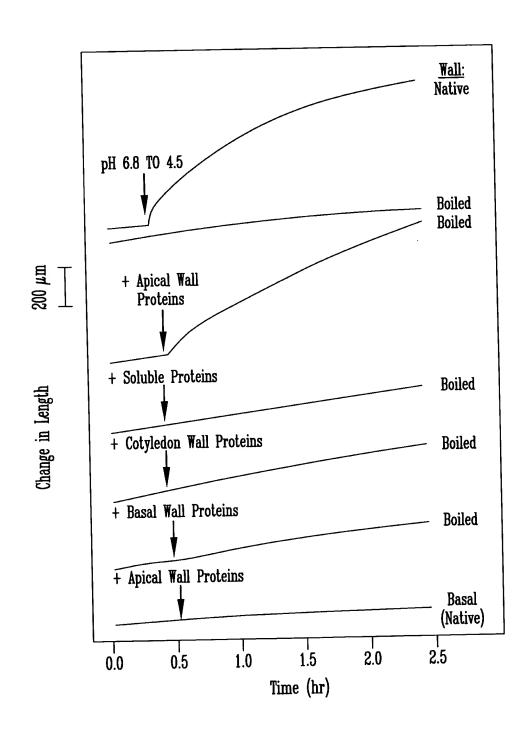


Fig. 1A

PECA PRADERING AND A PROPERTY OF THE PRADERING AND A PRADERING AND A PROPERTY OF THE PRADERING



Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION PRAND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341
Sheet 2 of 23

+ Cucumber
Wall Protein

Radish
Lily

Onion

Maize

Barley

Time (hr)

Fig. 1B



Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 3 of 23

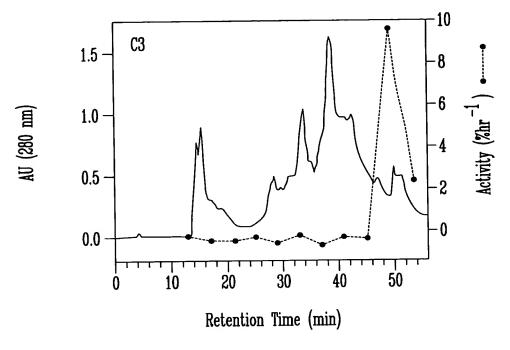


Fig. 2A

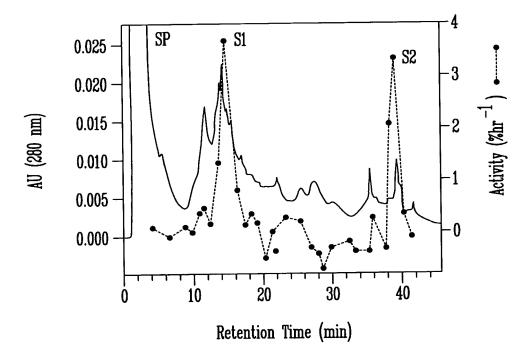


Fig.2B

MAR 1 2 2003 =

Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSI
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 4of 23

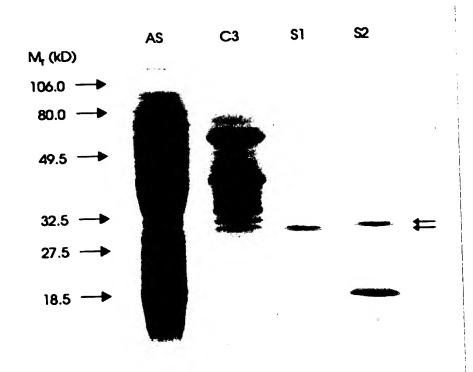


Fig.3

Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION - ROTEINS
AND DNA ENCOUNG SAME

Ser. No. 09/896,301 Conf. No. 3341

Sheet 5 of 23

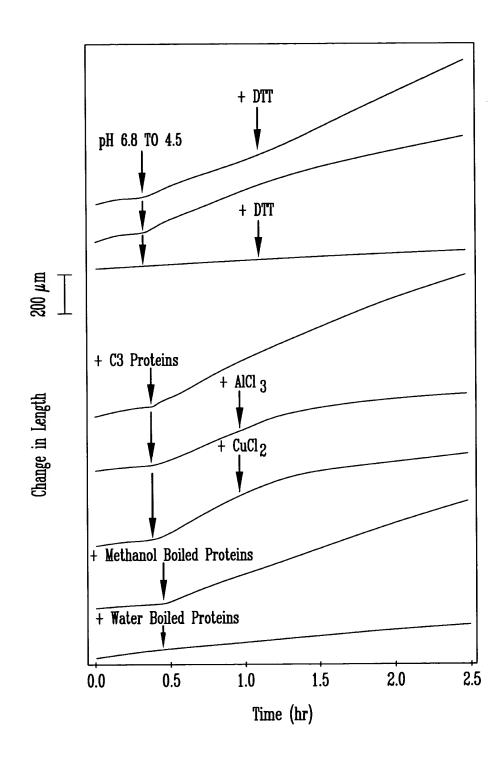


Fig. 4A

Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 6 of 23

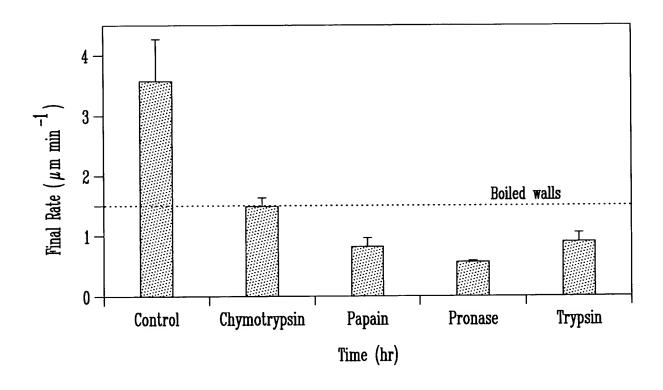


Fig. 4B

Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 7 of 23

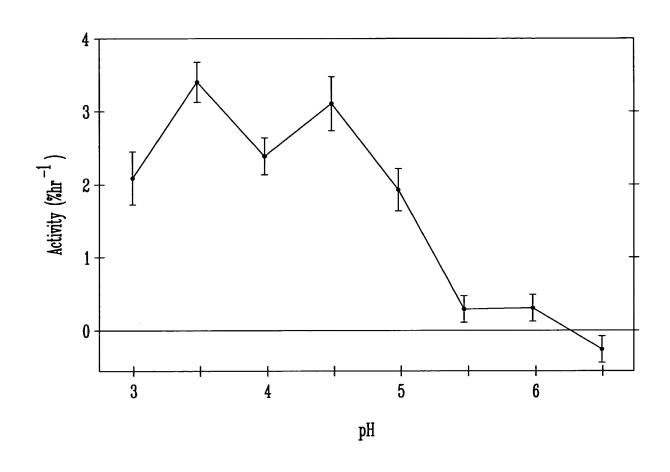
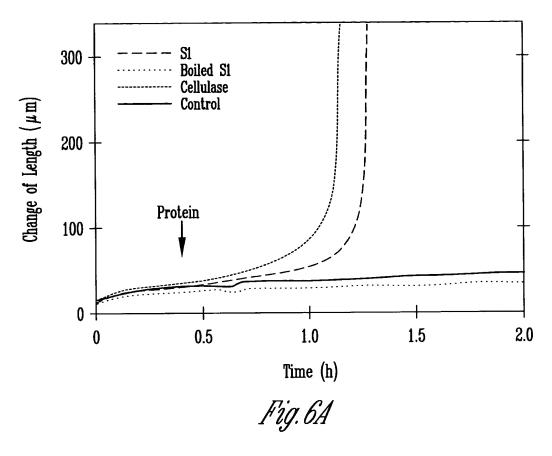


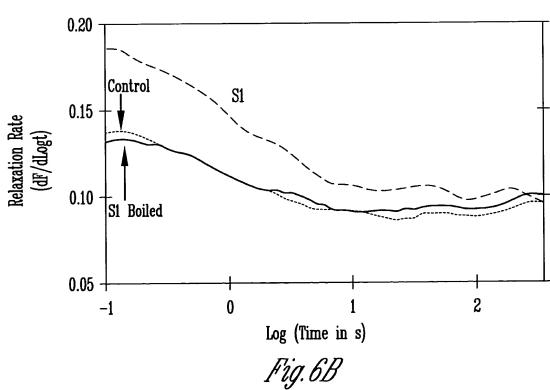
Fig.5

SPIEM & TRADE

Applicant: COSGROVE, DANIEL et al. Attorney Docket No. P04666US7 Title: PURIFIED PLANT EXPANSION AND DNA ENCODING SAME Ser. No. 09/896,301 Conf. No. 3341 Shee

Sheet 8 of 23





Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 9 of 23

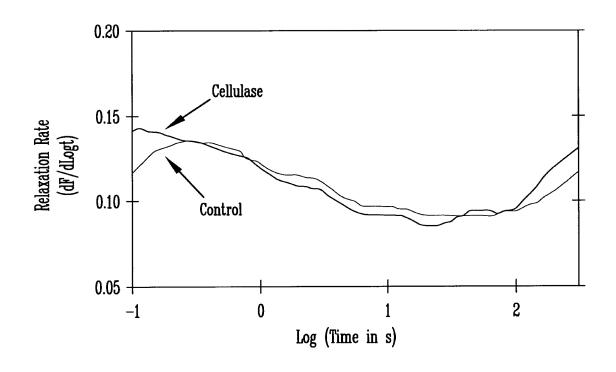


Fig.6C

Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANS
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 10 of 23

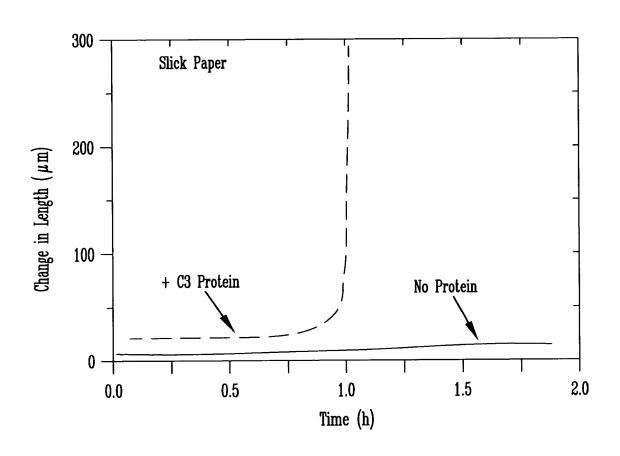


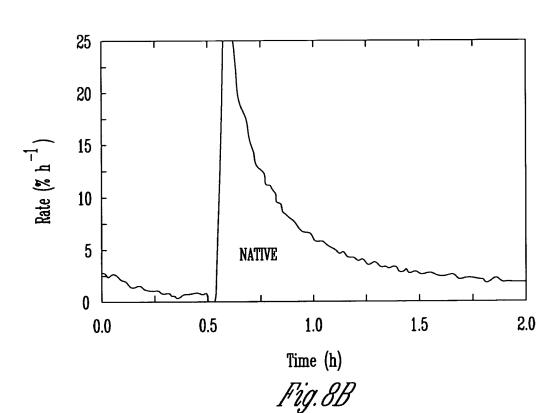
Fig. 7

MAR 1 2 2003

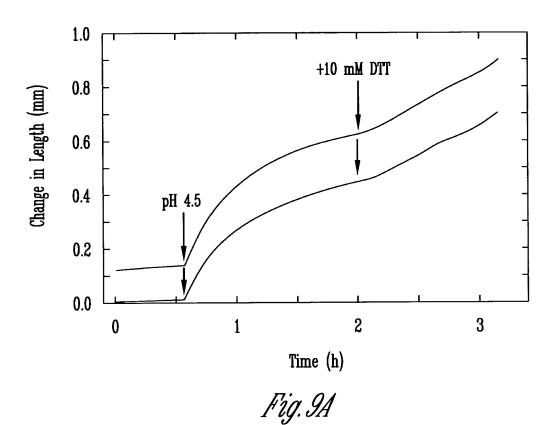
Applicant: COSGROVE, DANIEL et al.
Attorney Docket NQ, P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301

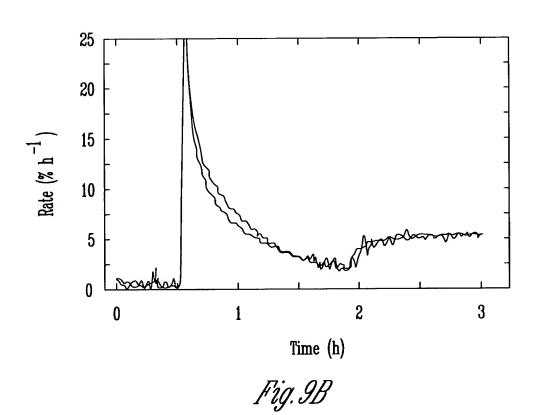
Sheet 11 of 23 Corif. No. 3341

0.6 0.5 Change in Length (mm) NATIVE 0.4 0.3 pH 4.5 0.2 HEAT-TREATED 0.1 0.0 1.0 1.5 0.0 0.5 2.0 Time (h) Fig. 8A



Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 12 of 23



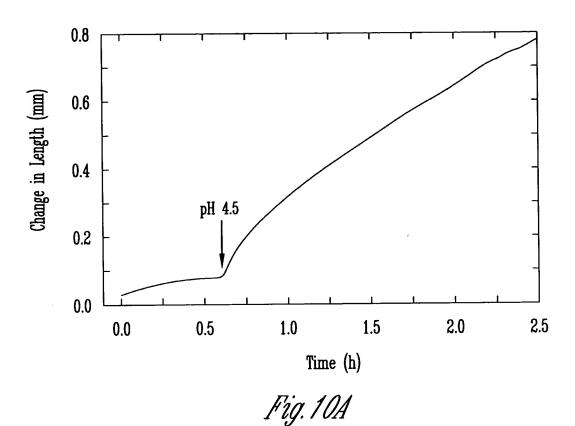


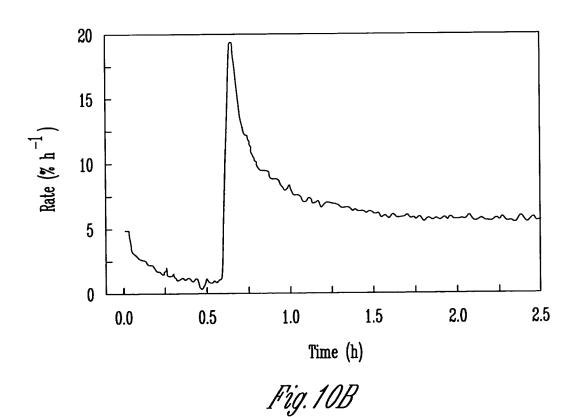
MAR 1 2 2003

Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANS
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301

Conf. No. 3341

Sheet 13 of 23





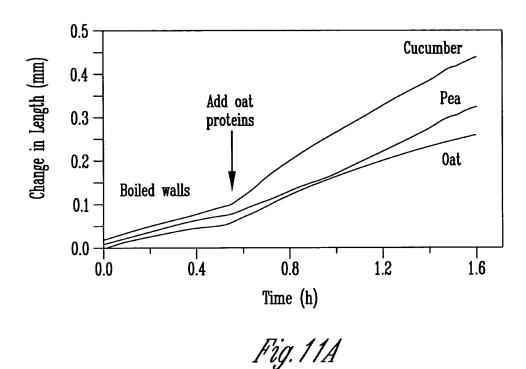


Applicant: COSGROVE, DANIEL et al. Attorney Docket No. P04666US7 Title: PURIFIED PLANT EXPANSION F

AND DNA ENCODING SAME

Ser. No. 09/896,301 Conf. No. 3341

Sheet 14 of 23



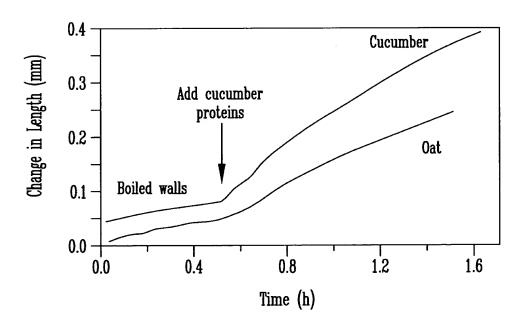
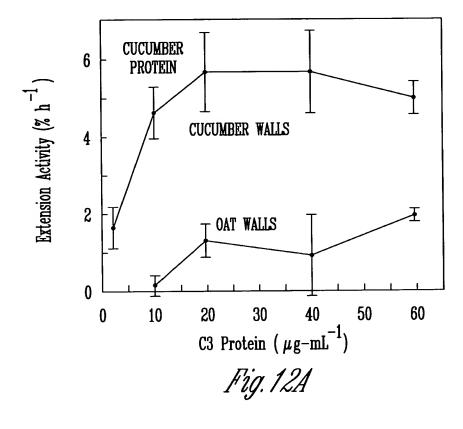
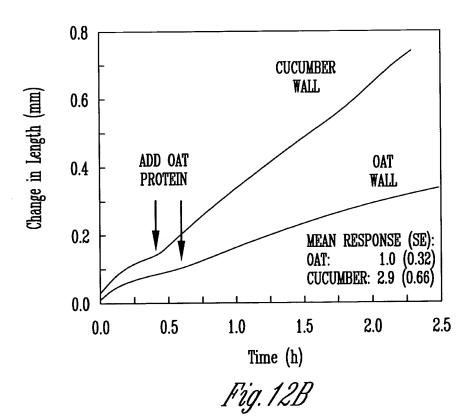


Fig. 11B

MAR 1 2 2003

Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME Ser. No. 09/896,301 Sheet 15 of 23 Conf. No. 3341







Applicant: COSGROVE, DANIE al.
Attorney Docket No. P04666US
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 16 of 23

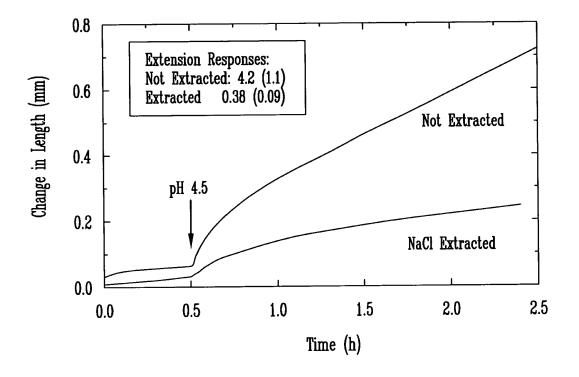


Fig. 13

MAR 1 2 2003 TRADEMARY

Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION PROTEINS
AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341
Sheet 17 of 23

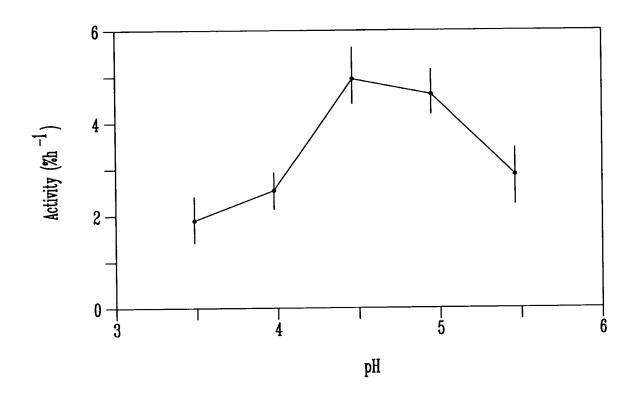
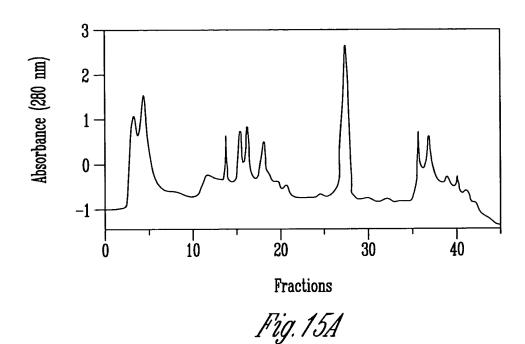


Fig. 14



Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 18 of 23



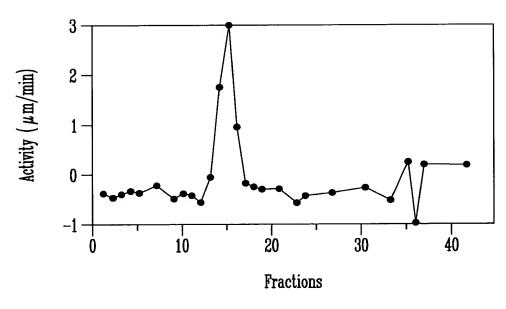


Fig. 15B



Applicant: COSGROVE, DANIEL
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 19 of 23

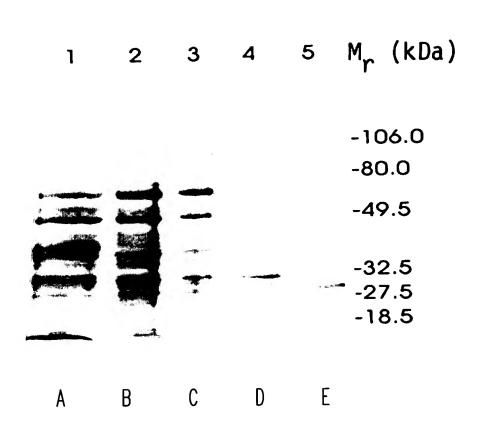


Fig. 16



Applicant: COSGROVE, DANIEL et Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 20 of 23

1	2	M _r (kDa)	3	4	M _r (kDa) -106.0
					-80.0
•		-106.0 -80.0			-49.5
		-49.5			
		-32.5			-32.5
		-27.5			-27.5
		•			
	•	-18.5			
				3440 1	-18.5

Fig. 17



Applicant: COSGROVE, DANIEL et al.
Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 21 of 23

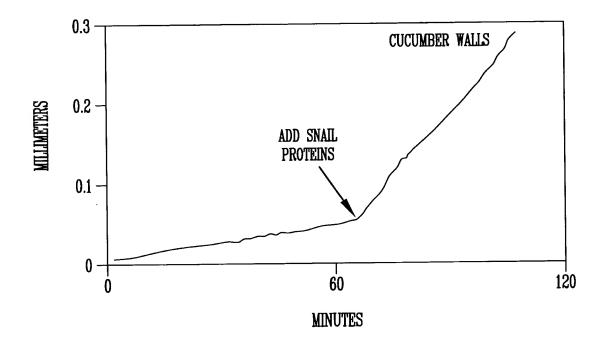


Fig. 18



Applicant: COSGROVE, DANIE al.
Attorney Docket No. P04666US
Title: PURIFIED PLANT EXPANSION
PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301
Conf. No. 3341 Sheet 22 of 23

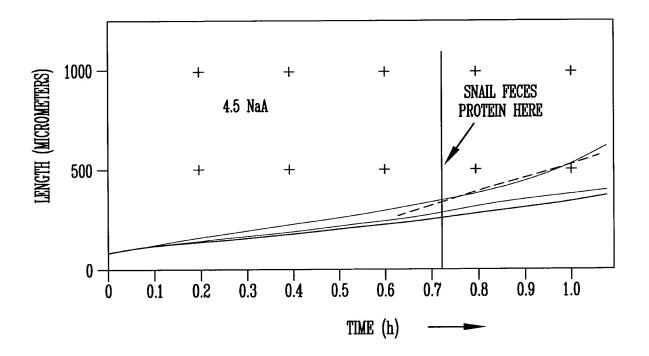


Fig. 19

MAR 1 2 2003 THADEMA

Applicant: COSGROVE, DANIEL et Attorney Docket No. P04666US7
Title: PURIFIED PLANT EXPANSION PROTEINS AND DNA ENCODING SAME
Ser. No. 09/896,301

Conf. No. 3341

Sheet 23 of 23



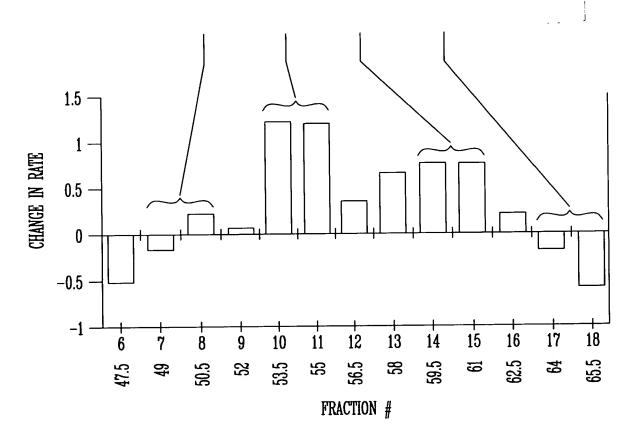


Fig.20